

Display

CMP307XU

37" High Resolution XGA

- ◆ High resolution XGA (1024 x 768)
- ◆ 4:3 aspect ratio
- ◆ 160 degree viewing angle
- ◆ Theater operation (capable of 16 million colors)
- ◆ Multiscan capability (PC Analog RGB)
- Standard video inputs (BNC, s-video)
- ◆ Built-in screen saver
- Internal speakers



37-Inch High Definition Plasma Display

Connector: 15 pin mini D-Sub		CMP307XU		Model	
Frequency Sol86Hz Power consumption 389W (typical) Display characteristics Effective display area Aspect ratio 4.3 Number of pixels 1024 (horizontal) x 22.2" (vertical) years (avertical) pixels Pixel pitch 0.735 (horizontal) x 22.2" (vertical) pixels Pixel pitch 0.735 (horizontal) x 788 (vertical) pixels Pixel pitch 0.735 (horizontal) x 78				General	
Frequency Power consumption South (typical) So		AC100~120V 200-240V		Power supply	
Dimensions 380W (typical) 380W (typical) 387 (W) x 825" (Hi x 33" (D) (excluding stand) 388 (W) x 825" (Hi x 33" (D) (excluding stand) 388 (W) x 825" (Hi x 33" (D) (excluding stand) 388 (W) x 825" (Hi x 33" (D) (excluding stand) 388 (W) x 825" (Horizontal) x 22.2" (vertical) 388 (W) x 825" (Horizontal) x 22.2" (vertical) 388 (W) x 825" (Horizontal) x 22.2" (vertical) 388 (W) x 825" (Horizontal) x 788 (vertical) 388 (vertical) 388 (vertical) 388 (vertical) 389 (ver					
Dimensions 34.8" (W) x 2.6" (H) x 3.9" (D) (excluding stand)					
Display characteristics 28.5 (horizontal) x 22.2" (vertical)					
Display characteristics 29.6" (horizontal) x 22.2" (vertical) Effective display area 29.6" (horizontal) x 788 (vertical) pixels Number of pixels 1024 (horizontal) x 788 (vertical) pixels Pixel pitch 0.735 (horizontal) x 788 (vertical) pixels Number of colors (gray levels) 2.09 million colors (128 gray levels) for million colors (256 gray levels) Brightness 150cd/m² (regical) at white peak (with front filter, 2.09-million-color mode) Contrast ratio 400 : 1 (typical) at white peak (with front filter, 2.09-million-color mode) Viewing angle More than 160* Signal input and terminals Video Analog (PC) RGB 1 Format/frequency: R, G, B, H, V/IH: 24 - 80kHz; N: 50 - 75Hz Level/impedance: R, G, B = 0.7Vp-p75Ω Synchronization: HV separate sync::TII, HV composite sync::TII, G sync. Connector: BNC x 5 Video 1 composite Video 1 composite Video 2 component V		<u> </u>		Weight	
28.6" (horizontal) x 22.2" (vertical)			tics	Display characterist	
Aspect ratio Aumber of pixels Number of colors (gray levels) Brightness Contrast ratio Analog (PC) RGB 1 Video 1 composite Video 1 composite Video 2 component Video 2 component Video 2 component Video 3 inputs Audio 3 inputs Speaker output Control terminal Signal output Video signal Controls Switches/Buttons Main adjustment Video signal Video signal Controls Wideo signal Controls Wideo signal Control terminal Video signal Video signal Control terminal Video signal Video signal Control terminal Control terminal Signal Video signal Control terminal Control terminal Control terminal Signal Control terminal Control terminal Control terminal Signal Control terminal Control terminal		29.6" (horizontal) x 22.2" (vertical)			
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Pixel pitch Number of colors (gray levels) Brightness 150cdm² (syaral art white peak (with front filter, 209-million-colors (256 gray levels) Brightness 150cdm² (syaral) at white peak (with front filter, 209-million-color mode) Contrast ratio 400: 1 (typical), no ambient light, 2,09-million-color mode) Wore than 160° Signal input and terminals Video Analog (PC) RGB 1 Format/frequency: R, G, B, H, V/Hr: 24 - 80kHz; fV: 50 - 75Hz Level/impedance: R, G, B = 0.7Vp-p/75c2 Synchronization: HV separate sync: TTL, HV composite sync:: TTL, G sync: 0.3Vp- Connector: 15 pin mini D-Sub Analog (PC) RGB 2 Analog (PC) RGB 2 Format/frequency: R, G, B, H, V/Hr: 24 - 80kHz; fV: 50 - 75Hz Level/impedance: R, G, B, B = 0.7Vp-p/75c2 Synchronization: HV separate sync:: TTL, HV composite sync:: TTL, G sync Connector: BNC x 5 Video 1 composite Video 2 component Video 2 component Format Y, PB, PR or Y, CB, CR Level/impedance: Y = 1.0V; PB/CP, PR/CR = 0.7Vp-p/75c2 Synchronization: Weighted on Y signal Connector: RCA pin x 1, S terminal x 1 Format Y, PB, PR or Y, CB, CR Level/impedance: Y = 1.0V; PB/CP, PR/CR = 0.7Vp-p/75c2 Synchronization: Weighted on Y signal Connector: RCA pin x 2 Audio 3 inputs Stereo signal supplied with video 2 input and RGB 1 input: L/R 470mV high in Connector: RCA pin (L/R) x 3 Control terminal Signal output Speaker output Controls Whis Power switch, Sub Power button Adjustment buttons (Input Changeover, Adjustment Menu, Selection, Sound Volume Adjustment buttons (Input Changeover, Adjustment Menu, Selection, Sound Volume Changeover, Adjustment Menu, Selection		1024 (horizontal) x 768 (vertical) pixels			
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Brightness		2.09 million colors (128 gray levels)/16.7 million colors (256 gray levels)	ay levels)	Number of colors (gr	
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Signal input and terminals Format/frequency: R, G, B, H, V/H: 24 - 80kHz; fV: 50 - 75Hz					
Format/frequency: R, G, B, H, V/fH: 24 - 80kHz; fV: 50 - 75Hz		More than 160°			
Format/frequency: R, G, B, H, V/fH: 24 - 80kHz; fV: 50 - 75Hz			rminals	Signal input and ter	
Level/impedance: R, G, B = 0.7Vp-p/75Ω		Format/frequency: R, G, B, H, V/fH: 24 - 80kHz; fV: 50 - 75Hz			
Connector: 15 pin mini D-Sub			· ·		
Analog (PC) RGB 2 Format/frequency: R, G, B, H, V/H: 24 -80kHz; fV: 50 -75Hz Level/impedance: R, G, B = 0.7Vp-p/75Ω Synchronization: H/V separate sync.: TTL, H/V composite sync.: TTL, G sync Connector: BNC x 5 Video 1 composite Format: video or S-video (NTSC/PAL/SECAM) Level/impedance: 1.0Vp-p/75Ω Synchronization: Composite sync. signal Connector: RCA pin x 1, S terminal x 1 Video 2 component Format: Y, PB, PR or Y, CB, CR Level/impedance: Y = 1.0V; PB/CP, PR/CR = 0.7Vp-p/75Ω Synchronization: Weighted on Y signal Connector: RCA pin x 3 Stereo signal supplied with video 2 input and RGB 1 input: L/R 470mV high in Connector: RCA pin (L/R) x 3 Control terminal Signal output Speaker output Speaker output ZW + 2W (built-in 3.9" x 1.2" speakers x 2) Controls Wain Power switch, Sub Power button Adjustment buttons (Input Changeover, Adjustment Menu, Selection, Sound Volume Adjustment buttons (Input Changeover, Adjustment Menu, Selection, Sound Volume Controls, brightness, color, color tone, sharpness Contrast, brightness, display size, vertical position, horizontal position, clock frequencies, clock phase Audio signal Volume, balance, high, low, mute Remote control Power management VESA DPMS, International ENERGY STAR® compliant Environmental conditions Temperature Operating temperature: 5 - 35" Operating humidity: 20 - 80% (non-condensation)	/p-p	Synchronization: H/V separate sync.: TTL, H/V composite sync.: TTL, G sync.: 0.3Vp-p			
Level/impedance: R, G, B = 0.7Vp-p/75\(\Omega\$ Synchronization: H/V separate sync.: TTL, H/V composite sync.: TTL, G synchronization: H/V separate sync.: TTL, H/V composite sync.: TTL, G synchronization: H/V separate sync.: TTL, H/V composite sync.: TTL, G synchronization: Connector: BNC x 5					
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Audio signal Remote control Power management Environmental conditions Temperature Operating temperature: 5 - 35° Humidity Operating humidity: 20 - 80% (non-condensation)		Contrast, brightness, display size, vertical position, horizontal position,	RGB signal		
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Power management Environmental conditions Temperature Operating temperature: 5 - 35° Humidity Operating humidity: 20 - 80% (non-condensation) Regulations		Volume, balance, high, low, mute	Audio signal		
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Humidity Operating humidity: 20 - 80% (non-condensation) Regulations			ditions	Environmental cond	
Regulations		Operating temperature: 5 - 35°	Temperature		
•		Operating humidity: 20 - 80% (non-condensation)	Humidity		
•				Regulations	
		UL1950, CSA C22.2 No.950			
EMI FCC class A			EMI		
Supplied accessories			es	Supplied accessorie	
	r; L = 5' 11"),	Table stand, AC power cable (L = 5' 11"), interface cable (D-Sub 15P connector; L =		77 32 222000	
infrared remote control unit (2x AA batteries included), user manual		infrared remote control unit (2x AA batteries included), user manual			

External dimensions



Corresponding personal computer signals

		·	<u> </u>					
Signal mode								
Signal	Resolution	Vertical	Horizontal	Dot clock				
_	frequencies	frequencies	frequencies	frequencies				
	Hz	MHz	MHz	MHz				
VGA	640 x 400	70.08	31.47	25.18				
	640 x 480	59.94	31.47	25.18				
VESA	640 x 400	72.81	37.86	31.50				
	640 x 480	75.00	37.50	31.50				
	800 x 600	56.25	35.16	36.00				
	800 x 600	60.32	37.88	40.00				
	800 x 600	72.19	48.08	50.00				
	800 x 600	75.00	46.88	49.50				
	1024 x 768	60.00	48.36	65.00				
	1024 x 768	70.07	56.48	75.00				
	1024 x 768	75.03	60.02	78.75				
	1280 x 1024	60.02	63.98	108.00				
Apple	640 x 480	74.55	35.00	30.24				
	832 x 624	74.93	49.73	57.28				
	1024 x 768	56.42	60.24	80.00				

^{*} Due to the interpolation necessary for the operation of digital display devises such as PDP at full screen, it is recommended that display monitors utilize the native resolution (1024x768 for CMP307XU) capability of the panel and are operated at their optimal resolution when text or fine lines are being viewed.

HITACHI

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